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 NEWS  1          Web Page URLs for STN Seminar Schedule - N. America
 NEWS  2          "Ask CAS" for self-help around the clock
 NEWS  3  May 12  EXTEND option available in structure searching
 NEWS  4  May 12  Polymer links for the POLYLINK command completed in REGISTRY
 NEWS  5  May 27  New UPM (Update Code Maximum) field for more efficient patent
                  SDIs in CAplus
 NEWS  6  May 27  CAplus super roles and document types searchable in REGISTRY
 NEWS  7  Jun 22  STN Patent Forums to be held July 19-22, 2004
 NEWS  8  Jun 28  Additional enzyme-catalyzed reactions added to CASREACT
 NEWS  9  Jun 28  ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG,
                  and WATER from CSA now available on STN(R)
 NEWS 10  Jul 12  BEILSTEIN enhanced with new display and select options,
                  resulting in a closer connection to BABS

 NEWS EXPRESS  MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT
               MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
 NEWS INTER    General Internet Information
 NEWS LOGIN    Welcome Banner and News Items
 NEWS PHONE    Direct Dial and Telecommunication Network Access to STN
 NEWS WWW      CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

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FILE 'HOME' ENTERED AT 16:56:46 ON 13 JUL 2004

=> file caplus uspatful europatful japio medline biosis embase
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                                 0.21       0.21

FILE 'CAPLUS' ENTERED AT 16:57:13 ON 13 JUL 2004
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=> S polymer? and (crosslink? or (cross link?)
UNMATCHED LEFT PARENTHESIS 'AND (CROSSLINK?'
The number of right parentheses in a query must be equal to the
number of left parentheses.

=> S polymer? and (crosslink? or (cross link?))
   4 FILES SEARCHED...
L1      377467 POLYMER? AND (CROSSLINK? OR (CROSS LINK?))

=> s l1 and ionic?
L2       56194 L1 AND IONIC?

=> s l2 and (particulate# or particle#)
L3       37558 L2 AND (PARTICULATE# OR PARTICLE#)

=> s L3 and (bioresorb? or resorb? or biodegrad?)
L4        6657 L3 AND (BIORESORB? OR RESORB? OR BIODEGRAD?)

=> s l4 and ((rate resorption) or (resorption rate))
L5          24 L4 AND ((RATE RESORPTION) OR (RESORPTION RATE))

=> s l5 and (polyacryl? or polymethacryl? or (polyethylene amine) or
polysaccharide# or (algin?) or pectin? or (carboxymethyl cellulose) or CMC or
hyaluron? or heparin? or chitosan or (carboxymethyl chitosan) or (carboxymethyl
starch) or carboxymethyl dextran) or chondriotin? or (cationic starch))
 PREVIOUS MSG TOO LONG
<------User Break------>

=> s l5 and (polyacryl? or polymethacryl? or (polyethylene amine) or
polysaccharide# or (algin?) or pectin? or (carboxymethyl cellulose) or CMC)
L6          23 L5 AND (POLYACRYL? OR POLYMETHACRYL? OR (POLYETHYLENE AMINE)
               OR POLYSACCHARIDE# OR (ALGIN?) OR PECTIN? OR (CARBOXYMETHYL
               CELLULOSE) OR CMC)

=> s l6 and (hyaluron? or heparin? or chitosan or (carboxymethyl chitosan) or
(carboxymethyl starch) or (carboxymethyl dextran) or (chondroitin sulfate) or
(cationic starch))
L7          14 L6 AND (HYALURON? OR HEPARIN? OR CHITOSAN OR (CARBOXYMETHYL
               CHITOSAN) OR (CARBOXYMETHYL STARCH) OR (CARBOXYMETHYL DEXTRAN)
               OR (CHONDROITIN SULFATE) OR (CATIONIC STARCH))

=> s l7 and hydrogel
L8           3 L7 AND HYDROGEL

=> s l8 1-3 ibib abs
MISSING OPERATOR L8 1-3
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> d L8 1-3 ibib abs
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L8 ANSWER 1 OF 3 USPATFULL on STN
ACCESSION NUMBER: 2003:283649 USPATFULL
TITLE: Resorption-controllable medical implants
INVENTOR(S): Gellman, Barry N., North Easton, MA, UNITED STATES
Li, Jianmin, Lexington, MA, UNITED STATES
PATENT ASSIGNEE(S): Scimed Life Systems, Inc., Maple Grove, MN (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2003199993	A1	20031023	
APPLICATION INFO.:	US 2002-128214	A1	20020423	(10)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: TESTA, HURWITZ & THIBEAULT, LLP, HIGH STREET TOWER, 125 HIGH STREET, BOSTON, MA, 02110
NUMBER OF CLAIMS: 20
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 7 Drawing Page(s)
LINE COUNT: 837
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB **Bioresorbable** medical implants are designed to have different resorption rates over time or over the topography of the implants. The resorption of the medical implants are controlled by including layers having differing resorption rates. The layers **resorb** sequentially over time through sequential exposure to body fluids. A resorption-controllable medical implant includes a series of two or more layers. The first layer includes a first **bioresorbable** material. The second layer includes a second **bioresorbable** material and **resorbable particles** of a first kind dispersed within the second **bioresorbable** material. Additional layers of **bioresorbable** material alone or including **resorbable particles** may be added to slow or speed resorption and achieve desired control over the resorption of the implant. **Resorbable particles** can be added in differing amounts or kinds in various segments of the implant to provide topographically differing resorption rates.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 2 OF 3 USPATFULL on STN
ACCESSION NUMBER: 2003:257201 USPATFULL
TITLE: Medical technical product, method for producing the same and providing the same for surgery
INVENTOR(S): Friedrich, Volker, Tuttlingen, GERMANY, FEDERAL REPUBLIC OF
Odermatt, Erich K, Schaffhausen, SWITZERLAND
Weis, Christine, Tuttlingen, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2003180251	A1	20030925	
APPLICATION INFO.:	US 2003-343200	A1	20030529	(10)
	WO 2001-EP8768		20010728	

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2000-10037601	20000802
	DE 2001-117099	20010406

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: NATH & ASSOCIATES, 1030 15th STREET, 6TH FLOOR, WASHINGTON, DC, 20005
NUMBER OF CLAIMS: 47

EXEMPLARY CLAIM: 1
LINE COUNT: 890
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A medicotechnical product for adhesion prophylaxis for the post-operative prevention of accretions in the body comprises at least one PVA (polyvinyl alcohol) selected from the group comprising uncrosslinked PVA with a molecular weight of 15,000 to 400,000, **crosslinked** PVA and mixtures thereof. The molecular weight of the PVA or the mixture is selected in such a way that it can be excreted via the kidneys substantially with no degradation of the PVA molecules.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 3 OF 3 USPATFULL on STN
ACCESSION NUMBER: 2002:252192 USPATFULL
TITLE: Controlling resorption of **bioresorbable** medical implant material
INVENTOR(S): Li, Jianmin, Lexington, MA, UNITED STATES
Baldwin, Samuel, Newton, MA, UNITED STATES
Harrah, Tim, Newton, MA, UNITED STATES

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2002138154	A1	20020926	
APPLICATION INFO.:	US 2001-813780	A1	20010321	(9)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: TESTA, HURWITZ & THIBEAULT, LLP, HIGH STREET TOWER, 125 HIGH STREET, BOSTON, MA, 02110
NUMBER OF CLAIMS: 45
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 6 Drawing Page(s)
LINE COUNT: 899
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The resorption of a medical implant can be controlled with the use of **particles** embedded in a **resorbable** bulk material forming the implant or portion thereof. The implant can be removed from a body of a mammal by natural biological mechanisms after use. The resorption of the implant can involve swelling and/or hydrolyzing of the **particles** within the implant upon contact with a body fluid such that porosity and flow of fluid within the bulk material of the implant is increased. Resorption of the implant may also involve the use of **particles** with magnetic properties embedded within the implant such that an applied magnetic field causes the **particles** to vibrate within the bulk material thereby increasing the porosity and thus the flow of fluid, hence facilitating resorption of the implant. The **resorption rate** of the implant can be controlled by modulating swelling, hydrolysis, or movement of the embedded **particles.**

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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